

**ABSTRACT**

The production of solid lubricant agglomerates by combining solid lubricant powder, an inorganic binder, other fillers if optionally desired, and a liquid to form a mixture, and driving off the liquid to form dry agglomerates which are subsequently classified by size or milled and classified by size to yield agglomerates of a desired size range. These agglomerates are then treated to stabilize the binder, thereby strengthening the binder and rendering it nondispersible in the liquid. The undesired size ranges can be readily recycled because the agglomerates with untreated binder can be reprocessed, thereby promoting high recovery rates.

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